

K073470

## 510(k) Summary: AVS PL PEEK Spacers

MAR - 6 2008

Submitter:	Stryker Spine 2 Pearl Court Allendale, New Jersey 07401
Contact Person	Ms. Simona Voic Regulatory Affairs Project Manager Phone: 201-760-8145 FAX: 201-760-8345 Email: simona.voic@stryker.com
Date Prepared	March 3, 2008
Trade Name	Stryker Spine AVS PL PEEK Spacers
Proposed Class	Class II
Classification Name and Number	Intervertebral body fusion device, 21 CFR 888.3080
Product Code	MAX
Predicate Devices	Stryker Spine Ray Threaded Fusion Cage (TFC) <sup>TM</sup> with instrumentation: P950019; DePuy AcroMed, Inc. Lumbar I/F Cage <sup>®</sup> with VSP Spine System: P960025. Synthes Spine SynFix <sup>TM</sup> - LR: K072253.
Device Description	The AVS PL PEEK Spacers are intervertebral body fusion devices intended for use as an aid in spinal fixation. The AVS PL PEEK Spacers are rectangular shaped, hollow frame implants with lateral fenestrations. The spacers incorporate two (2) Tantalum marker pins to aid in radiographic visualization. The AVS PL PEEK Spacers are available in a variety of sizes, from 6 mm to 13 mm in height, two lengths: 30 mm and 33 mm and one width: 11 mm. There are also 0° and 4° wedge shaped options that allow the surgeon to best choose the size suited to the patient's anatomy and pathology.

Intended Use	<p>The Stryker Spine AVS PL PEEK Spacers are intervertebral body fusion devices indicated for use with autogenous bone graft in patients with degenerative disc disease (DDD) at one level or two contiguous levels from L2 to S1.</p> <p>DDD is defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies. The DDD patients may also have up to Grade I spondylolisthesis at the involved level(s). These patients should be skeletally mature and have six months of nonoperative therapy.</p> <p>The AVS PL PEEK Spacers are to be implanted via posterior approach.</p> <p>The AVS PL PEEK Spacers are intended to be used with supplemental spinal fixation systems that have been cleared for use in the lumbosacral spine (i.e., posterior pedicle screw and rod systems).</p>
Summary of the Technological Characteristics	Testing in compliance with FDA's June 12, 2007 "Class II Special Controls Guidance Document: Intervertebral Body Fusion Device" was performed for the AVS PL PEEK Spacers and demonstrated substantial equivalent performance characteristics to the identified predicate device systems.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Stryker Spine  
% Ms. Simona Voic  
2 Pearl Court  
Allendale, NJ 07401

MAR - 6 2008

Re: K073470

Trade/Device Name: Stryker Spine AVS PL PEEK Spacers  
Regulation Number: 21 CFR 888.3080  
Regulation Names: Intervertebral body fusion device  
Regulatory Class: II  
Product Code: MAX  
Dated: December 7, 2007  
Received: December 10, 2007

Dear Ms. Voic:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at (240) 276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at (240) 276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at toll-free number (800) 638-2041 or (240) 276-3150 or the Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Mark N. Melkerson  
Director  
Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K\_073470

Device Name: Stryker Spine AVS PL PEEK Spacers

### Indications For Use:

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DDD is defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies. The DDD patients may also have up to Grade I spondylolisthesis at the involved level(s). These patients should be skeletally mature and have six months of nonoperative therapy.

The AVS PL PEEK Spacers are to be implanted via posterior approach.

The AVS PL PEEK Spacers are intended to be used with supplemental spinal fixation systems that have been cleared for use in the lumbosacral spine (i.e., posterior pedicle screw and rod systems).

Prescription Use X

AND/OR

Over-The-Counter Use \_\_\_\_\_

(Part 21 CFR 801 Subpart D)

(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Neil R. Gedde, Jr. M.D.  
(Division Sign-Off)

**Division of General, Restorative,  
and Neurological Devices**

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